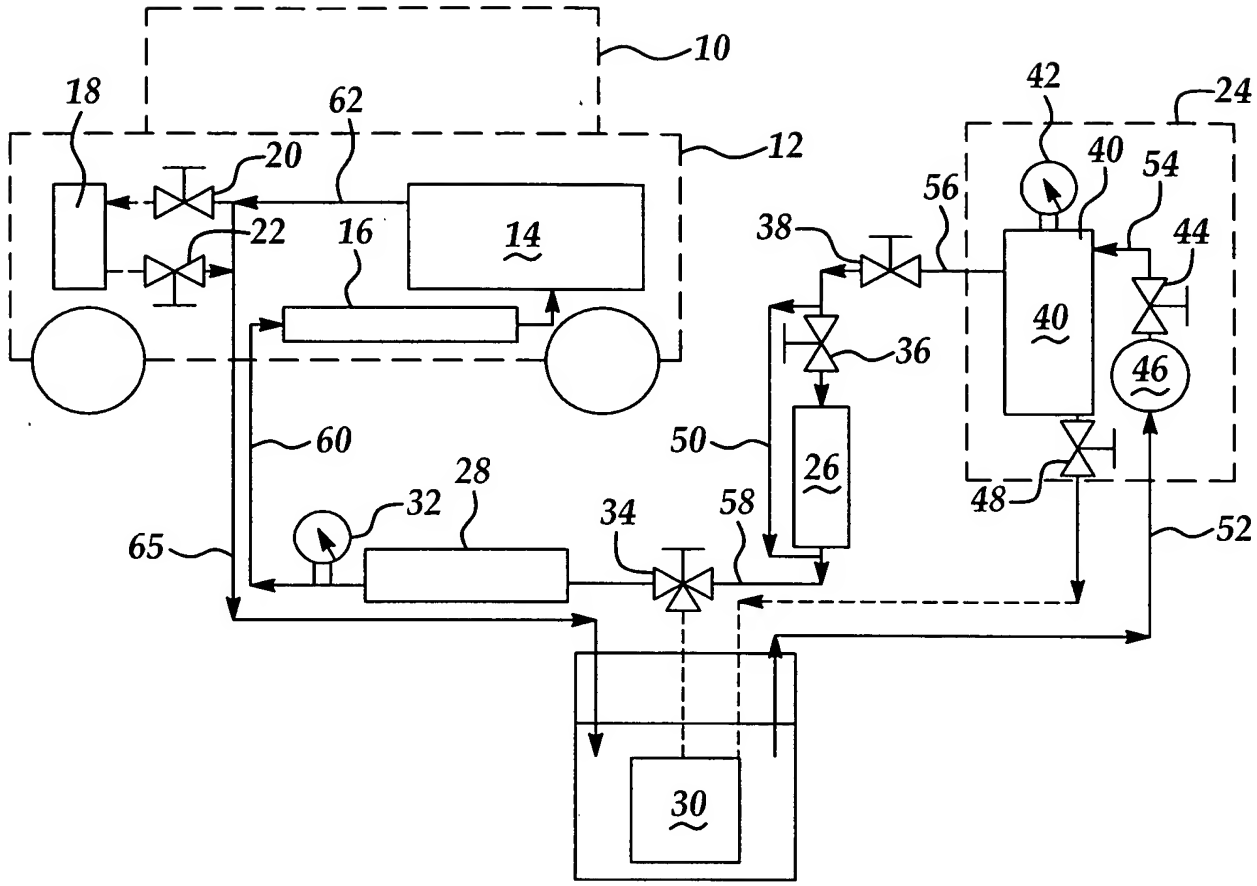

Figure 1

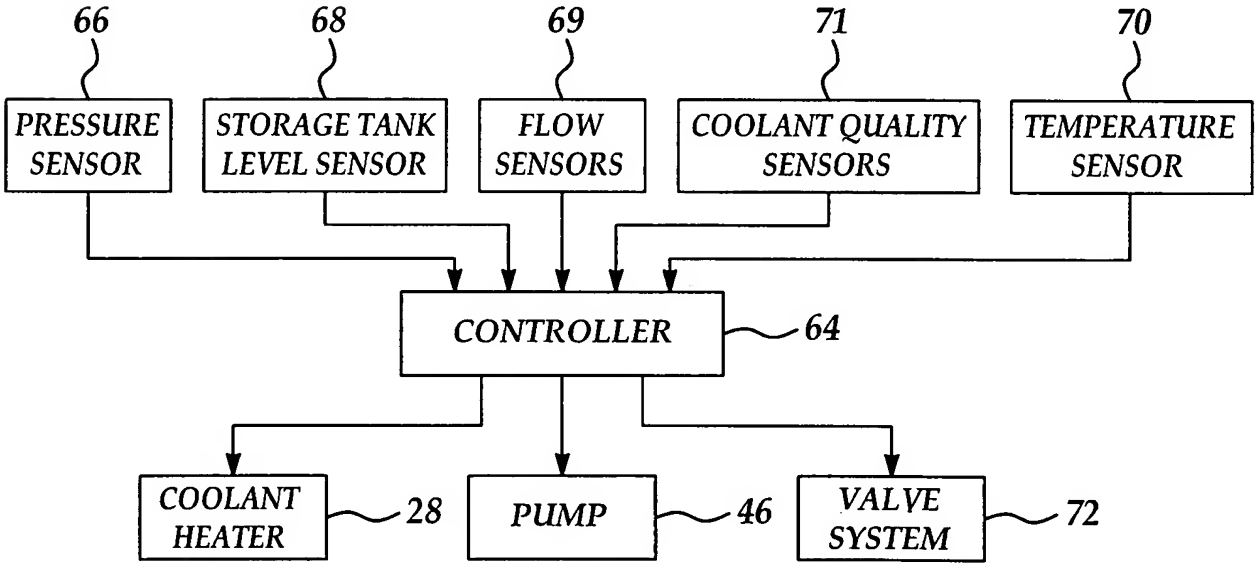

Figure 2

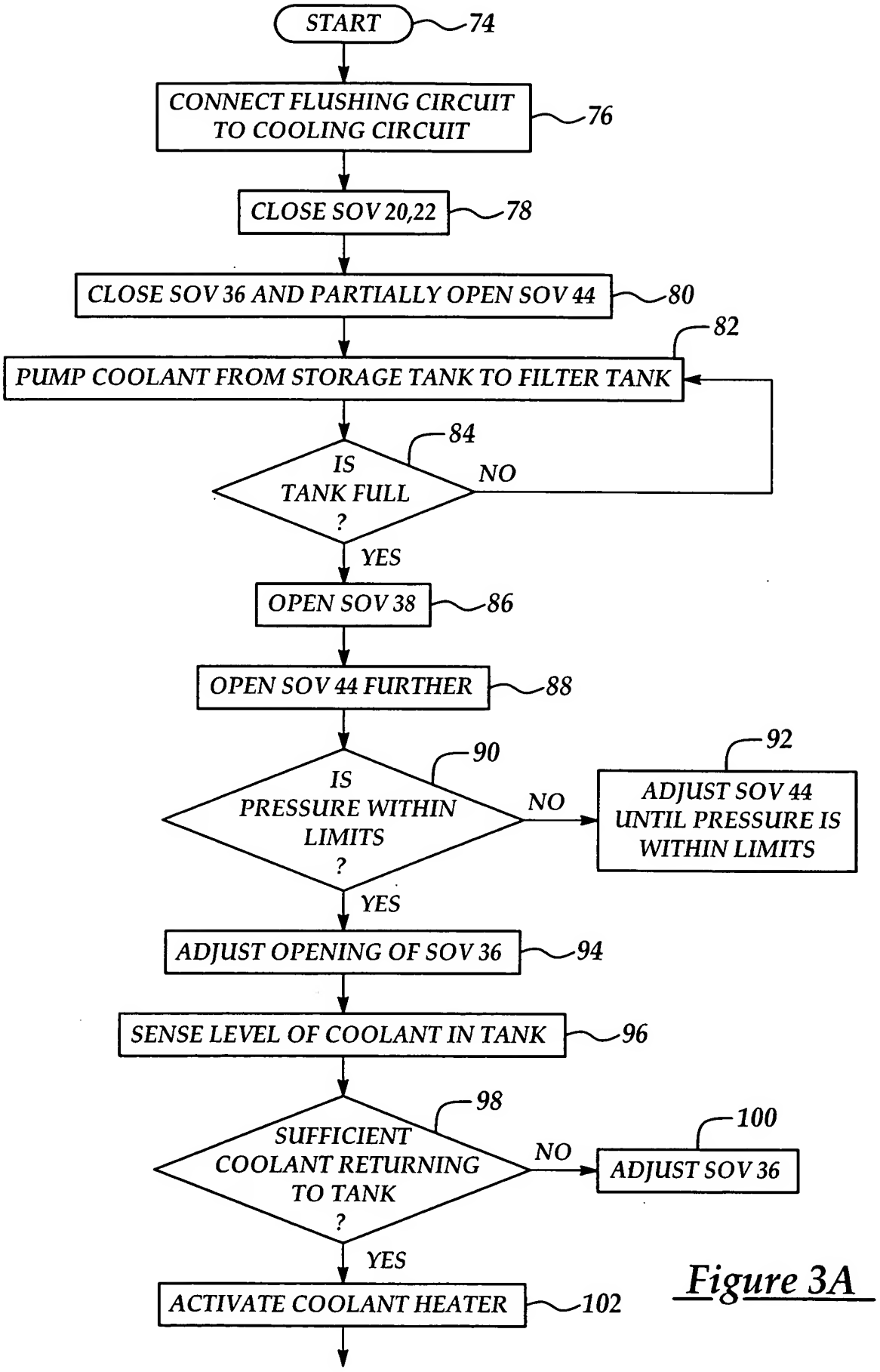
START
74
CONNECT FLUSHING CIRCUIT TO COOLING CIRCUIT
76
CLOSE SOV 20,22
78
CLOSE SOV 36 AND PARTIALLY OPEN SOV 44
80
82
PUMP COOLANT FROM STORAGE TANK TO FILTER TANK
84
IS TANK FULL ?
NO
YES
OPEN SOV 38
86
OPEN SOV 44 FURTHER
88
90
IS PRESSURE WITHIN LIMITS ?
NO
92
ADJUST SOV 44 UNTIL PRESSURE IS WITHIN LIMITS
YES
ADJUST OPENING OF SOV 36
94
SENSE LEVEL OF COOLANT IN TANK
96
98
SUFFICIENT COOLANT RETURNING TO TANK ?
NO
100
ADJUST SOV 36
YES
ACTIVATE COOLANT HEATER
102

Figure 3A

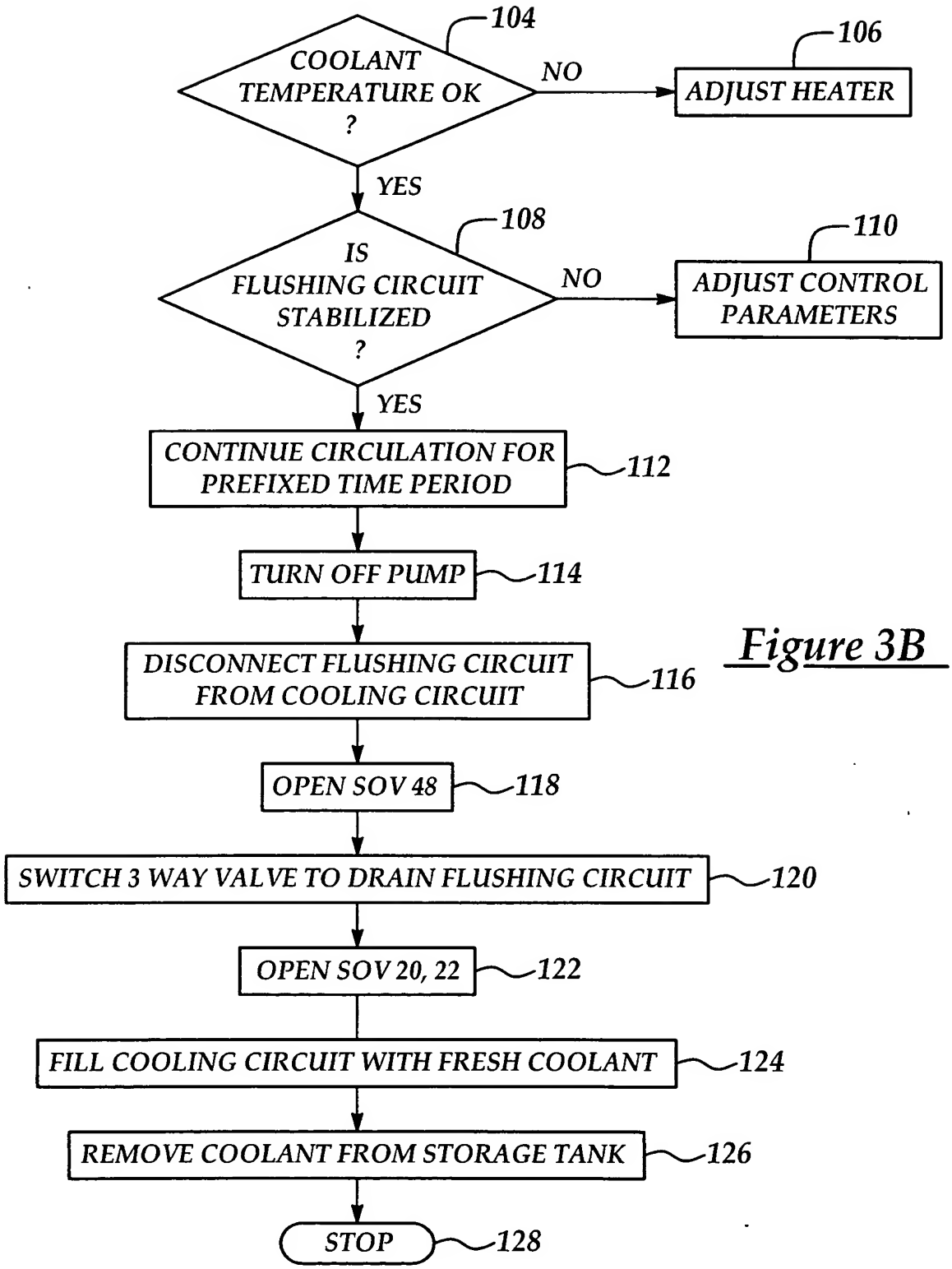
104
COOLANT TEMPERATURE OK ?
NO
106
ADJUST HEATER
YES
108
IS FLUSHING CIRCUIT STABILIZED ?
NO
110
ADJUST CONTROL PARAMETERS
YES
CONTINUE CIRCULATION FOR PREFIXED TIME PERIOD
112
TURN OFF PUMP
114
DISCONNECT FLUSHING CIRCUIT FROM COOLING CIRCUIT
116
OPEN SOV 48
118
SWITCH 3 WAY VALVE TO DRAIN FLUSHING CIRCUIT
120
OPEN SOV 20, 22
122
FILL COOLING CIRCUIT WITH FRESH COOLANT
124
REMOVE COOLANT FROM STORAGE TANK
126
STOP
128

Figure 3B